

PAARA



GRAPHs

APRIL 1990

147.45 OR BUST!

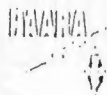
(SEE PRESIDENT'S CORNER)

THE OFFICIAL NEWSLETTER
OF THE PALO ALTO AMATEUR
RADIO ASSOCIATION
AND

THE MENLO PARK C.D. AMATEUR RADIO CLUB

PAARA

PALO ALTO AMATEUR RADIO ASSOCIATION



1990 CLUB OFFICERS

President	Gerald Tucker	WA6LNV	415-326-4908
Vice-President	Andy Korsak	VE3FZK	415-366-5228
Secretary	Cap Stubbs	KJ6KV	415-323-5079
Treasurer	Lily Anne Hillis	N6PGM	415-325-5404
Trustee, W6DTX	Fred Canham	K6YT	415-948-9238
Property/Badges	Fred Canham	K6YT	415-948-9238
Refresh/Co-Prop	John Buonocore	KD6ZL	415-366-1658
ARES Officers:			
Club Historian	Rob Walker	KA6JLT	415-321-9981

BOARD OF DIRECTORS

Ted Moran	KB6UDA	1989-90	415-325-9861
Gerry Wagstaffe	W6NIR	1989-90	415-325-4670
Bill McElhinney	KA6LZI	1989-90	415-325-9808
John Buonocore	KD6ZL	1989-90	415-366-1658
Dusty Doster	K6MPN	1990-91	415-368-8156
Bill Lane	KJ6TF	1990-91	415-856-0154
Chuck Johnson	N6VFH	1990-91	408-251-8536

PAARAgaphs Staff

Editor	Chuck Johnson	N6VFH	408-251-8536
Mailing	Bill McElhinney	KA6LZI	415-325-9808

PAARA POLICIES

Membership in PAARA is \$6.00 per calendar year which includes a subscription to PAARAgaphs. Make payment to the Palo Alto Amateur Radio Association, P.O. Box 911, Menlo Park, CA 94026

Club Net 147.45 MHz Mondays 8:30 PM

Meet at 7:30 PM on the first Friday of each month at the Menlo Park Recreation Center.

Send PAARAgaphs correspondence to:

Chuck Johnson N6VFH, EDITOR
3389 Mt. Logan Drive
San Jose, CA 95127

FROM THE EDITOR'S DESK

APRIL IS HERE, AND FOR PAARA THAT MEANS PLAN FOR MAY! NEXT MONTH HAS OUR FOOTHILL FLEA MARKET DATE ON MAY 12, FOLLOWED A WEEK LATER BY THE W6VG ANNUAL PICNIC FESTIVITIES AT RON & HELGA'S QTH MAY 19TH! THE LEAD TIME IS DECEPTIVELY LONG. BE SURE TO LEND YOUR HELP AND PRESENCE AT THE BIG EVENTS IN MAY, WHEN WE CAN PLAN FINAL STRATEGY FOR FIELD DAY IN JUNE!!! HAVE A GOOD APRIL & SEE YOU NEXT MONTH. 73 DE YOUR EDITOR

N6VFH SPEAKER OF THE MONTH

DR. DAVID CHENETTE, RESEARCH SCIENTIST

DISCUSSION OF THE VOYAGER PROJECT AND EXPLORATION OF THE OUTER PLANETS, FOCUSING ON THE RESULTS OF THE VOYAGER II ENCOUNTER WITH NEPTUNE LAST AUGUST.... AND ASPECTS OF THE DIFFICULT KINDS OF COMMUNICATIONS INVOLVED.... THE TECHNICAL CHALLENGE OF SPACE FLIGHT FACED BY LOCKHEED FROM CONSTRUCTION THRU LAUNCH AND VOYAGE OF VOYAGER II.

DINNER WITH SPEAKER-- SU HONG'S,
EL CAMINO OFF RAVENSWOOD, MENLO PARK,
5:45PM ON MEETING FRIDAY APRIL 6TH!

-DE VE3FZK ANDY, PAARA PROGRAM
CHAIRMAN.

Kurt K6AL
Chris N6ZVD
494-2643
341-7578H
573-1992



FOR THOSE OF YOU WHO LOOKED OVER PAARAGRAPHS LAST MONTH, YOU NOTED THE BUSY PAARA CALENDAR. ONE THING I FORGOT TO PUT IN WAS THE CCRC NET EVERY SECOND THURSDAY AT 8PM ON 145.37- (KB6LT REPEATER). THIS NET IS FREE FOR LISTENING IN ON AND IF YOU DON'T HEAR AN OFFICIAL PAARA CHECK-IN, DO SO YOURSELF. I WOULD RATHER HAVE AN OCCASIONAL LISTENER PICK UP TRAFFIC AND BRING IT TO THE MONDAY NET THAN NOT HAVE ANY REPRESENTATION AT ALL.

THE SUBJECT OF FREQUENCY ACCURACY WAS MUCH DEBATED ON A RECENT MONDAY NIGHT NET. ONE SUGGESTION WAS THAT NET CONTROL COULD PERFORM THE FUNCTION OF A DE FACTO STANDARD. THIS PROBABLY WORKS OK WITH CRYSTAL RIGS, THAT CAN BE ARBITRARILY MOVED SLIGHTLY IN FREQUENCY. BUT IT'S ANOTHER MATTER FOR SYNTHESIZED RIGS. THE ISSUE WAS FURTHER EXPLORED WITH REGARD TO CALIBRATING OUR STANDARDS TO WWV AND JUST HOW THAT IS ACCOMPLISHED. I REMEMBER A FEW YEARS AGO ALAN WA6AZP BROUGHT SOME STANDARDS TO A MEETING AND WE HAD CALIBRATION NIGHT. PERHAPS WE SHOULD DO THAT AGAIN. HOW ABOUT A READER CONTRIBUTING AN ARTICLE ON HOW TO CALIBRATE COUNTERS TO WWV. I HAVE AN ANCIENT WWV RECEIVER BY SPECIFIC PRODUCTS WITH A TINY CRT IN IT. DOES ANYONE KNOW HOW TO USE IT FOR CALIBRATING EXTERNAL STANDARDS? MAYBE WE NEED A CONTEST FOR FREQUENCY ACCURACY. IN ANY CASE IT'S AN INTERESTING SUBJECT AND LET'S HEAR MORE ABOUT IT.

-- DE WA6LNV

BULLETIN

CAL QSO PARTY UPDATE / CLUB AWARD WINNERS

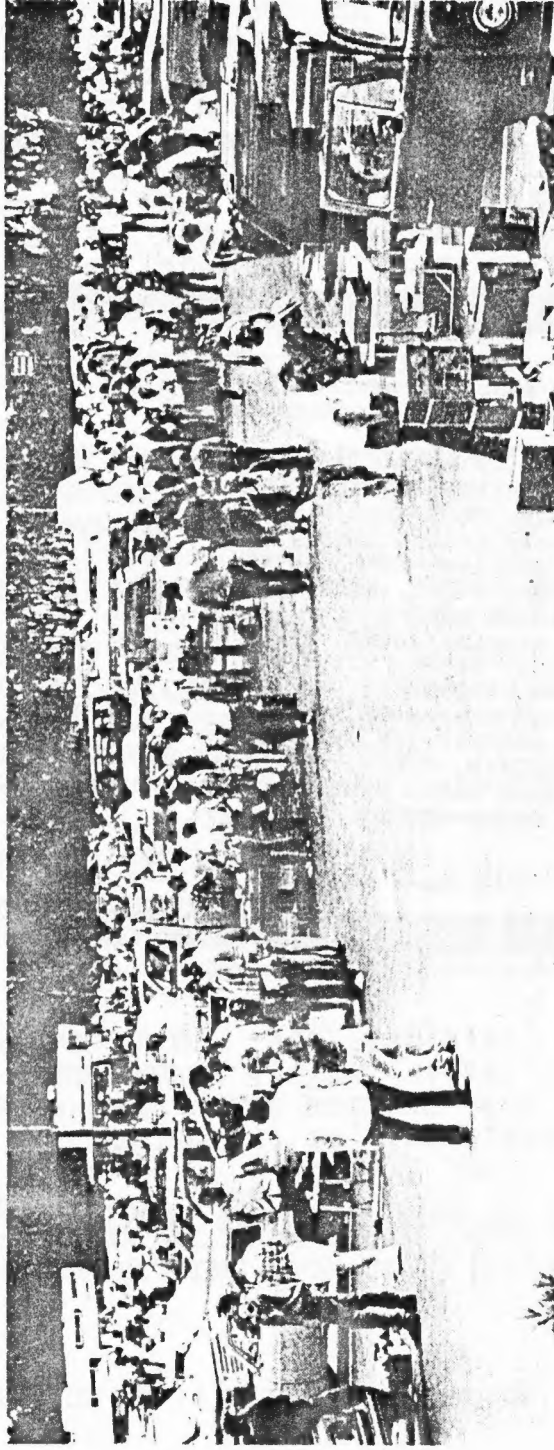
The Top Clubs in California
(award sponsored by the Palo Alto
Amateur Radio Assn.)

River City Contesters	645,750
(5 entries--W6GO, KF6A, N6JV, NB6G, and K3EST/6)	
Northern California DX Club	591,113
(5 entries--N6RO, K6TMB, K6DR, W6OAT, and N6JM)	
Satellite ARC	283,774
(6 entries--W6AB, KK6AD, N6MB, N6TME, W2KVA/6, and WB6ZNB)	
Redwood Empire DX Assn.	159,799
(5 entries--WB2CHO, KE6WL, W6ZQK/M, K6LRN, and WA8LLY/6)	
Cal Tech Radio Club	27,636
(1 entry--N6LL)	

SPECIAL TNX TO FRED K6YT WHO PROVIDED THE ITEM
ABOVE! -ED.

The 1990 Electronics Flea Market is Greater Than Ever!

Continuing under Perham Foundation Sponsorship

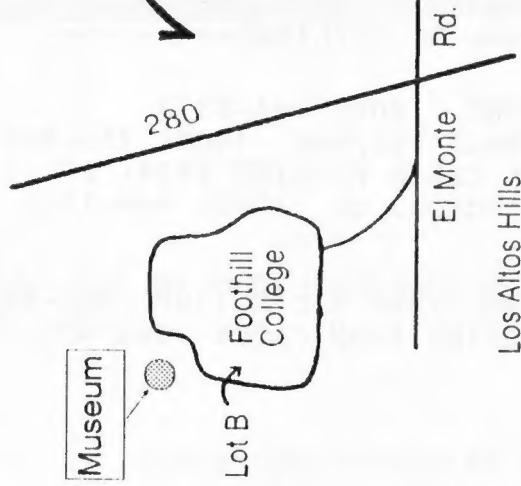


- Come to Foothill College, Los Altos Hills, California
- Saturdays, 8 a.m.-2 p.m.
- Parking Lot "B"
- Sellers: \$10.00 per vehicle (2 SPACES)
- BUYERS FREE!!!
- Support your local nonprofit electronics organization
- Refreshments served

- Novice thru extra exams given, info: (408) 255-9000

Locator Map:

North



Date—Beneficiary Organization:

- March 10—SPECS Repeater Association
- April 14—Electronics Museum Amateur Radio Club
- May 12—Palo Alto Amateur Radio Association
- June 9—Foothills Amateur Radio Society
- July 14—The Perham Foundation
- August 11—SPECS Users' Group
- September 8—Palo Alto Red Cross

NEED MORE INFORMATION?

Call any time on: 144.67/145.27 MHz—SPECS Repeater

HELP US KEEP THE MUSEUM OPEN TO THE PUBLIC!

PAARA BRIEFS

CHRIS N6VZD INFORMS THAT THE "MAD SCIENTISTS" HAM GROUP (CURRENTLY RUMORED TO BE HEADED FOR FORMAL ARRL CLUB STATUS) IS OFFERING THOSE BAY AREA REPEATER MAPS WITH ALL THE FREQUENCIES AND DATA. HE SAYS THEY SHOULD BE AVAILABLE AT THE APRIL FLEA MARKET IN THE ALL NEW 1990 EDITION. CURRENT (NEW) ISSUES ARE: BAY AREA 2METERS, BAY AREA 220, BAY AREA 440. COMING ARE: ALL NOR CAL 2M & 220, & INFO ON 10M, 6M, 900MHZ & 1.2GHZ. MAIL ORDERS: \$1 FOR EACH OF THE CURRENT OFFERINGS TO: JIM N6MPX, P.O. BOX 4236, SANTA CLARA, CA 95054. SEND REPEATER INFO UPDATES TO THE SAME ADDRESS OR CONTACT CHRIS.

ED. NOTE: CHRIS N6VZD HAS EMBARKED ON A NEW & TIMELY ELECTRONICS SERVICE FOR HAMS & NON-HAMS. UNDER HIS COMPANY NAME OF REMTRONICS, HE AFFORDS THE ELECTRONICS-CONSUMING PUBLIC THE ABILITY TO COPE WITH TELEVISION SYSTEMS, VIDEO TECHNOLOGY, STEREO/AUDIO, TELECOMMUNICATIONS, AND (HAM/NON-HAM) ANTENNA SYSTEMS.

TO INSTALL AND PROGRAM SUCH DEVICES IS AT TIMES A CONSIDERABLE CHORE FOR THE END USER. TO LESSEN THE STRESS AND MAKE THINGS WORK FROM THE START, IT IS GOOD TO HAVE A PRO LIKE CHRIS ON HAND. HIS LANDLINE IS (415) 573-1992. --INFO DE CHRIS N6VZD--

REMTRONICS 
Installation of Consumer Electronics

"We Make House Calls"

CHRIS REMPEL
(415) 573-1992

=====HAM HOTLINES=====

EXAMS: ARRL/VEC (408) 984-8353
SUNNYVALE VEC/ARC (408) 255-9000
CLASSES: ARRL CLASS HOTLINE (408) 971-1424
ARRL HQ: NEWINGTON, CT (203) 666-1541

LANDLINE

BBS: MacSCIENCE/HAM RADIO (408) 866-4933
WWV TIME: TALKING ATOM CLOCK (303) 499-7111

VIA VOICE OF 76/SCVRS NEWSLETTER

WORLDWIDE DISTRIBUTION



HAM RADIO OUTLET

LARGEST HAM OUTLET IN THE WORLD

For A HRO 72 Page
Communication Equipment Catalog
Send \$1.00 to any HRO Store

NOW

9

STORE BUYING POWER



KENWOOD

rf concepts

ALL MAJOR BRAND
ACCESSORIES

ICOM

BULLETIN
ege has
joined the
**HAM RADIO OUTLET
NATIONWIDE TEAM**

NOW LOCATED IN
SALEM, NH
WOODBRIDGE, VA

THIS GIVES YOU EVEN
BETTER RESPONSE WITH
LOW-LOW OUTLET PRICES
& RAPID DELIVERIES
COAST TO COAST.

...America's Best!

TEN-TEC

GEOCHRON
GLOBAL
TIME
INDICATOR

Cushcraft
CORPORATION

Advanced
Electronic
Applications



YAESU

AEA

All Major Brands in Stock Now!



Bob Ferrero W6RJ
President/Owner
Jim Rafferty N6RJ
VP National
Sales Manager

BURLINGAME, CA 94010
999 Howard Ave., (415) 342-5757
George, Mgr WB6USV
5 miles south on 101 from SFO

OAKLAND, CA 94606
2210 Livingston St., (415) 534-5757
Rich, Mgr WAWYB
15 880 at 23rd Ave. Ramp

ANAHEIM, CA
(714) 763-3033, (213) 860-2040
ATLANTA, GA
(404) 263-0700
PHOENIX, AZ
(602) 242-3515
SALEM, NH
1-800-444-0047

SAN DIEGO, CA
(619) 560-4900
WOODBRIDGE, VA
1-800-444-4799
VAN NUYS, CA
(818) 988-2212

STORE HOURS 10 AM 5:30 PM
CLOSED SUNDAYS

CALL TOLL FREE
IN CALIFORNIA CALL STORE NEAREST YOU



Call any of our 800 numbers coast to coast from most parts of the country.
MID-WEST/WEST ANAHEIM, 9 to 5:30 PST **1-800-854-6046**
SOUTHEAST ATLANTA, 9 to 5:30 EST **1-800-444-7927**
MID-ATLANTIC WOODBRIDGE, 9 to 5:30 EST **1-800-444-4799**
NEW ENGLAND SALEM, 9 to 5:30 EST **1-800-444-0047**
Toll free including Hawaii. Phone hrs: 7:00 am to 6:30 p.m. Pacific Time. California, Arizona and Georgia customers call or visit nearest store. California, Arizona, Georgia and Virginia residents please add sales tax. Prices, specifications, descriptions subject to change without notice.

PAAAA BRIEFS

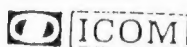
2

Subject: NOVICE CLASS

SOUTH COUNTY ARES (SCARES) HOLDS A WEEKLY NOVICE SEMINAR EACH THURSDAY EXCEPT FOR THE THIRD THURSDAY OF THE MONTH WHICH IS THE SCARES MONTHLY MEETING NIGHT. THE SEMINAR MEETS AT THE SAN CARLOS CITY HALL ROOM #208 AT 7:00PM. PLEASE BE PROMPT BECAUSE EACH THURSDAY AT ABOUT 8:15 BOTH WRITTEN AND CODE TESTS ARE GIVEN. WE ARE FINISHED AT 9:00PM. THERE IS A COST OF \$10.00 PLUS \$3.00 FOR A SPECIAL CODE TAPE DEVELOPED BY WD6DGT PLUS THE COST OF THE ARRL BOOK "TUNE IN THE WORLD". THE SEMINAR IS HOSTED BY WD6DGT AND N6XMO PLUS VARIOUS MEMBERS OF THE SCARES VE TEAM. THE TEST CORRECTIONS ARE HANDLED BY K6JBR, N6KG, KB6OWG, WB6WAU, K6MPN. THIS SEMINAR IS EXTREMELY SUCCESSFUL AND OUR AVERAGE TIME FROM BEGINNING TO PASSING IS THREE WEEKLY SESSIONS.

73 DE ROGER WD6DGT

ELECTRONICS FOR HOME OR WORK . . .
 YOU NAME IT . . . WE'VE GOT IT!
QUEMENT IS THE PLACE!



Larsen Antennas
 The American Professional

TELEX big gain
 TELECOMMUNICATIONS, INC.

TRACOM
 The radio.



HUSTLER



QUEMENT ELECTRONICS



1000 SO. BASCOM, SAN JOSE

998-5900 • Open Mon - Sat 9-6



— AMEX —



• ANTENNAS • HAM GEAR • CITIZEN'S BAND • COMMERCIAL AND INDUSTRIAL
 PARTS SUPPLY • SERVICE DEPARTMENT • COMPUTERS AND SOFTWARE
 • COMPLETE STEREO HI-FI DEPARTMENT

PAARA
P.O. Box 911
Menlo Park
Ca. 94026



Korsak, Andy VE3FZK
504 Lakewood Way
Redwood City CA 94062

First Class Mail